WHAT IS CLAIMED IS:

1   1. An information terminal comprising,

2   a virtual machine which executes, on an OS

3   (Operating System), an intermediate code program that

4   is a program represented by an intermediate code;

5   a resource limit value storing means which stores

6   a limit value of a computer resource which is usable

7   by said virtual machine; and

8   a resource managing means in which when a request

9   for securing a resource is received from said virtual

10 machine, the limit value stored in said resource limit

11 value storing means is referred to, and

12   if the computer resource that becomes available

13 for said virtual machine by securing the computer

14 resource in response to the request is lower than said

15 limit value, said OS is requested to secure the

16 computer resource in response to the request, and

17   if the computer resource that becomes available

18 for said virtual machine by securing the computer

19 resource in response to the request is equal to or

20 higher than said limit value, said OS is not requested

21 to secure the computer resource in response to the

22 request.

1   2. An information terminal comprising,

2   multiple virtual machines each executing, on an

3   OS (Operating System), an intermediate code program

4   being a program represented by an intermediate code;

5   a resource limit value storing means in which

6   continuously selectable counts, each being the maximum

7   continuously selectable count with respect to each of

8   the multiple virtual machines, are stored so as to be

9   respectively associated with said multiple virtual

10 machines; and

11   a virtual machine switching means which switches

12 and executes each of said multiple virtual machines,

13 based on said continuously selectable counts that are

14 stored in said resource limit value storing means;

15 wherein, said virtual machine switching means

16   determines at predetermined intervals whether or

17 not the virtual machine currently selected is in a

18 standby state, and if the currently selected virtual

19 machine is in the standby state, selects a virtual

20 machine that is different from the currently selected

21 virtual machine, instructs said OS to execute the

22 selected virtual machine, and also sets a

23 continuously selected count of the selected virtual

24 machine to one;

25   if the currently selected virtual machine is in

26 execution, refers to the continuously selectable count

27 stored in said resource limit value storing means, and

28 if the continuously selected count of the virtual

29 machine currently selected is equal to the

30 continuously selectable count associated with the

31 currently selected virtual machine, selects a virtual

32 machine different from the currently selected virtual

33 machine, instructs the OS to execute the selected

34 virtual machine, and also sets the continuously

35 selected count of the selected virtual machine to one;

36 and

37   if the continuously selected count of the virtual

38 machine currently selected is lower than the

39 continuously selectable count associated with the

40 currently selected virtual machine, selects again the

41 currently selected virtual machine, instructs said OS

42 to execute the reselected virtual machine, and

43 increments the continuously selected count of the

44 reselected virtual machine by one.

1 3. A computer resource managing method for an

2 information terminal, wherein said information

3 terminal

4   refers to a resource limit value storing means

5 which stores a limit value of a computer resource

6 usable by a virtual machine, when a request for

7 securing the resource is received from the virtual

8 machine that executes, on an OS (Operating System),

9 an intermediate code program being a program

10 represented by an intermediate code;

11   if a computer resource that becomes available for

12 said virtual machine by securing the computer resource

13 in response to the request is lower than said limit

14 value, requests said OS to secure the computer resource

15 in response to the request; and

16   if the computer resource that becomes available

17 for said virtual machine by securing the computer

18 resource in response to the request is equal to or

19 higher than said limit value, does not request said

20 OS to secure the computer resource in response to the

21 request.

1 4. A virtual machine execution switching method for

2 an information terminal, wherein said information

3 terminal

4   determines at predetermined intervals whether or

5 not a virtual machine currently selected is in a

6 standby state, among multiple virtual machines each

7 executing, on an OS (Operating System), an

8 intermediate code program, being a program represented

9 by an intermediate code;

10   if the currently selected virtual machine is in

11 standby state, selects a virtual machine which is

12 different from the currently selected virtual machine,

13 instructs said OS to execute the selected virtual

14 machine, and also sets the continuously selected

15 count of the selected virtual machine to one;

16   if the currently selected virtual machine is in

17 execution, refers to the continuously selectable count

18 stored in said resource limit value storing means;

19   if the continuously selected count of the virtual

20 machine currently selected is equal to the

21 continuously selectable count associated with the

22 currently selected virtual machine, selects a virtual

23 machine different from the currently selected virtual

24 machine, instructs the OS to execute the selected

25 virtual machine, and also sets the continuously

26 selected count of the selected virtual machine to one;

27 and

28   if the continuously selected count of the virtual

29 machine currently selected is lower than the

30 continuously selectable count associated with the

31 currently selected virtual machine, selects again the

32 currently selected virtual machine, and increments the

33 continuously selected count of the reselected virtual

34 machine by one.